

**INFORMATION  
DISCLOSURE STATEMENT**

Docket: P0239

Ser. No. 09/935,755

Applicant: Geoffrey B. Rhoads

Filed: August 22, 2001

Group: 3621

| US Patent Documents |             |          |                     |       |
|---------------------|-------------|----------|---------------------|-------|
| Ex'r<br>Initial     | Number      | Date     | Inventor            | Class |
| GR                  | 4939515     | 7/90     | Adelson             |       |
| GR                  | 5319735     | 6/94     | Preuss et al.       |       |
| GR                  | 5337361     | 8/9/94   | Wang                |       |
| GR                  | 5530751     | 6/25/96  | Morris              |       |
| GR                  | 5530759     | 6/25/96  | Braudaway et al.    |       |
| GR                  | 5613004     | 3/18/97  | Cooperman et al.    |       |
| GR                  | 5636292     | 6/3/97   | Rhoads              |       |
| GR                  | 5646997     | 7/8/97   | Barton              |       |
| GR                  | 5659726     | 8/19/97  | Sandford, II et al. |       |
| GR                  | 5663766     | 9/2/97   | Sizer               |       |
| GR                  | 5664018     | 9/2/97   | Leighton            |       |
| GR                  | 5668898     | 9/16/97  | Tatsuta             |       |
| GR                  | 5687236     | 11/11/97 | Moskowitz et al.    |       |
| GR                  | 5710834     | 1/20/98  | Rhoads              |       |
| GR                  | 5721788     | 2/24/98  | Powell              |       |
| GR                  | 5727092     | 3/10/98  | Sandford, II et al. |       |
| GR                  | 5799092     | 8/25/98  | Kristol et al.      |       |
| GR                  | 5832119     | 11/3/98  | Rhoads              |       |
| GR                  | 5835639     | 11/10/98 | Honsinger et al.    |       |
| GR                  | 5848155     | 12/8/98  | Cox et al.          |       |
| GR                  | 5859920     | 1/12/99  | Daly et al.         |       |
| GR                  | 5949055     | 9/7/99   | Fleet et al.        |       |
| GR                  | 6018593     | 1/25/00  | Yamagata            |       |
| GR                  | 6031914     | 2/29/00  | Tewfik et al.       |       |
| GR                  | 6069914     | 5/30/00  | Cox                 |       |
| GR                  | 6181813     | 1/30/01  | Fan                 |       |
| GR                  | 6314192     | 11/6/01  | Chen                |       |
| GR                  | 6343138     | 1/29/02  | Rhoads              |       |
| GR                  | 6408082     | 6/18/02  | Rhoads et al.       |       |
| GR                  | 6424725     | 7/23/02  | Rhoads et al.       |       |
| GR                  | 20010019611 | 9/6/01   | Hilton              |       |

Examiner Signature:

*S. Cargialosi*

Date Considered:

*5/05*

\*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



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|---|-------------------------------|---------------------|
| <b>INFORMATION<br/>DISCLOSURE STATEMENT</b> | Docket: P0239                 | Ser. No. 09/935,755 |
|   | Applicant: Geoffrey B. Rhoads |                     |
|   | Filed: August 22, 2001        | Group: 3621         |

| Foreign Patent Documents |  |         |                                   |       |
|--------------------------|--|---------|-----------------------------------|-------|
| Ex'r Initial             | Number   | Date    | Country                           | Class |
| SR                       | JP3-185585   | 8/13/91 | JP (English Translation attached) |       |
| SR                       | DE 29 43 436   | 5/1981  | DE (English Translation attached) |       |
| Other References         |  |         |                                   |       |
| Ex'r Initial             | Cite   |         |                                   |       |
| SR                       | Bender, "Techniques for Data Hiding," SPIE Vol. 2420, pp. 164-173, 1995.   |         |                                   |       |
| SR                       | Brassil et al., "Electronic Marking and Identification Techniques to Discourage Document Copying", Proceedings of INFOCOM '94 Conference on Computer, IEEE Commun. Soc Conference, Jun. 12-16, 1994, pp. 1278-1287.                          |         |                                   |       |
| SR                       | Komatsu et al., "A Proposal on Digital Watermark in Document Image Communication and Its Application to Realizing a Signature," Electronics and Communications in Japan, Part 1, vol. 73, No. 5, 1990, pp. 22-33.                            |         |                                   |       |
| SR                       | Tanaka, "Embedding the Attribute Information Into a Dithered Image," Systems and Computers in Japan, vol. 21, No. 7, 1990, pp. 43-50.  |         |                                   |       |
| CR                       | Tanaka et al., "Embedding Secret Information Into a Dithered Multi-Level Image, 1990 IEEE, pp. 216-220.  |         |                                   |       |
| CR                       | Matsui et al., "Video-Steganography: How to Secretly Embed a Signature in a Picture," IMA Intellectual Property Project Proceedings, Jan. 1994, vol. 1, Issue 1, pp. 187-205.  |         |                                   |       |
| CR                       | van Schyndel et al., "A Digital Watermark," IEEE International Conference on Image Processing, Nov. 13, 1994 pp. 86-90.  |         |                                   |       |
| SR                       | Koch et al., "Copyright Protection for multimedia Data," Fraunhofer Institute for Computer Graphics, Dec. 16, 1994, 15 pages.<br>"Access Control and Copyright Protection for Images, WorkPackage 8: Watermarking," Jun. 30, 1995, 46 pages. |         |                                   |       |
| CR                       | Komatsu et al., "Authentication System Using Concealed Image in Telematics," Memoirs of the School of Science & Engineering, Waseda Univ., No. 52, 1988, pp. 45-60.  |         |                                   |       |
| CR                       | O'Ruanaidh, "Rotation, Scale and Translation Invariant Digital Image Watermarking," Signal Processing, pp. 2-15, 5/1/98.   |         |                                   |       |
| SR                       | O'Runanaidh, "Rotation, Scale and Translation Invariant Digital Image Watermarking," 1997 IEEE, pp. 536-539.   |         |                                   |       |
| SR                       | Sheng, "Experiments on Pattern Recognition Using Invariant Fourier-Mellin Descriptors," Journal of Optical Society of America, vol. 3, No. 6, pp. 771-776, 1986.   |         |                                   |       |
| CR                       | Highwater FBI, "Copyright Protection for Digital Images, Digital Fingerprinting from FBI," Brochuer, 4 pgs. 1995.  |         |                                   |       |
| CR                       | Szepanski, "A Signal Theoretic Method For Creating Forgery-Proof Documents For Automatic Verification", 1979 Carnahan Conference on Crime Countermeasures, University of Kentucky, Lexington, Kentucky, May 16-18, 1979.                     |         |                                   |       |
| SR                       | Kawaguchi et al., "Principle and Applications of BPCS-Steganography," Proc. SPIE Vol. 3528: Multimedia Systems and Applications, 2-4 Nov 1998, pp. 464-473.  |         |                                   |       |

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|--|------------------------------|
| Examiner Signature: <i>S. Cangialosi</i>   | Date Considered: <i>5/05</i> |
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